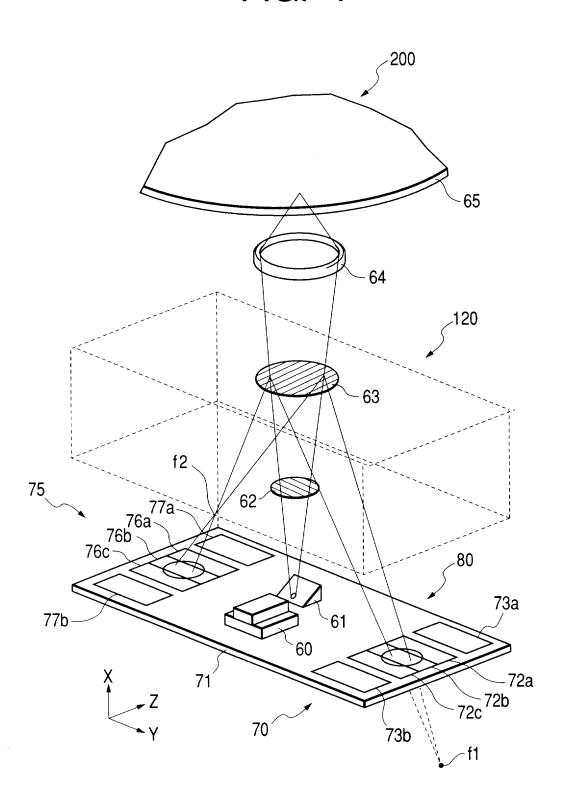
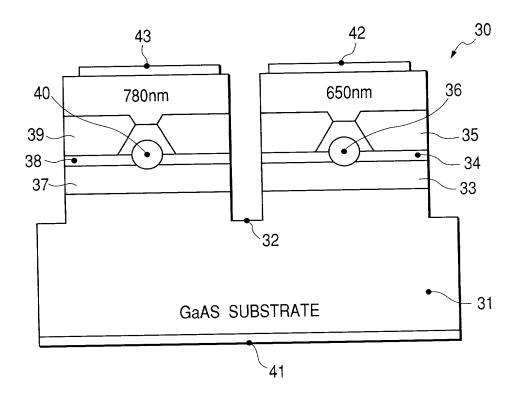
Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 1 of 14

FIG. 1



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 2 of 14

FIG. 2



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 3 of 14

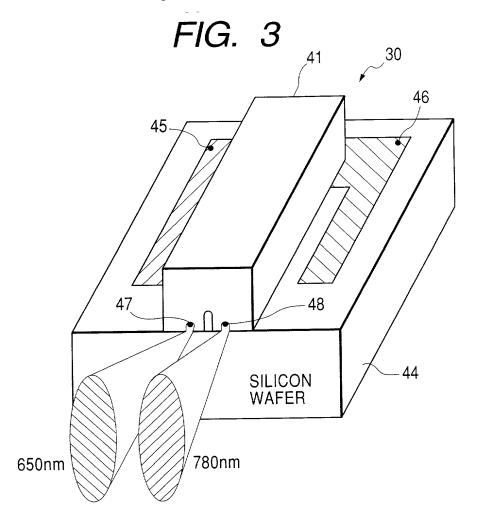


FIG. 4

57
50
56

Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 4 of 14

FIG. 5

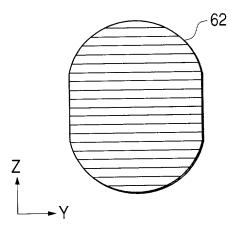
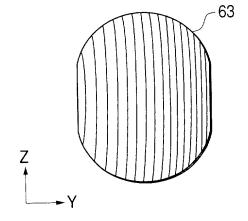
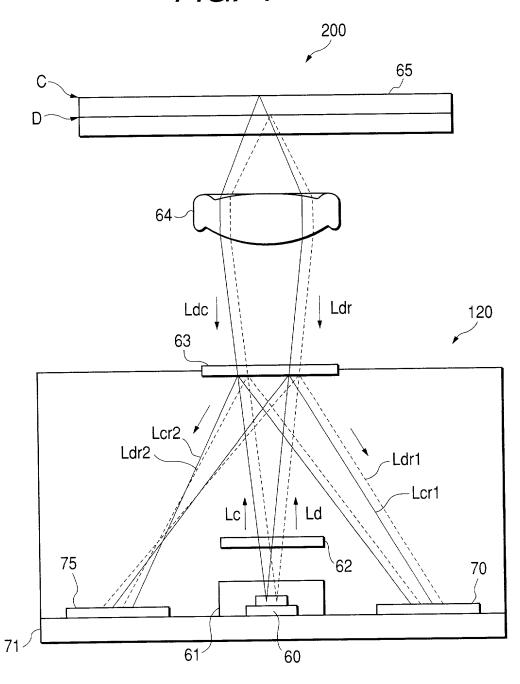


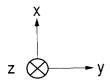
FIG. 6



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 5 of 14

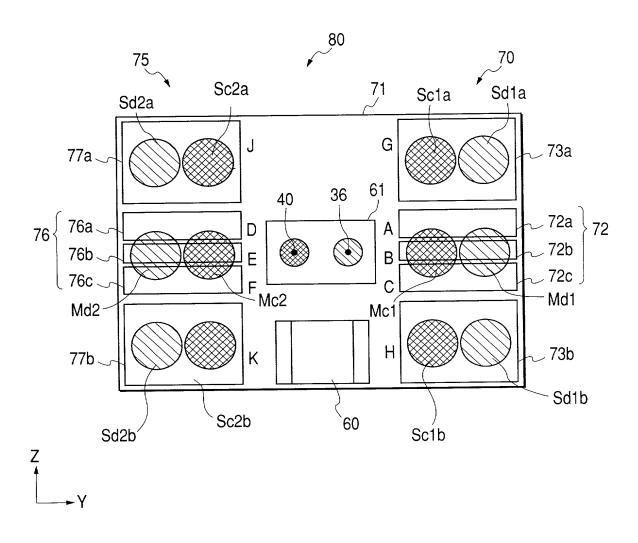
FIG. 7





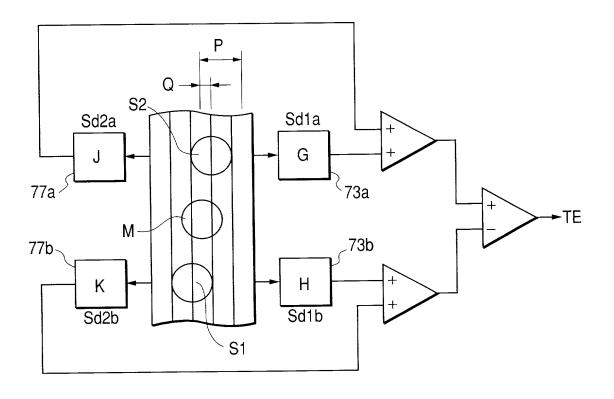
Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 6 of 14

FIG. 8



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 7 of 14

FIG. 9



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 8 of 14

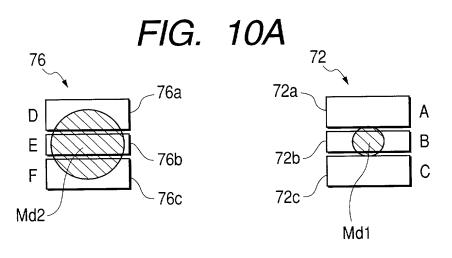


FIG. 10B

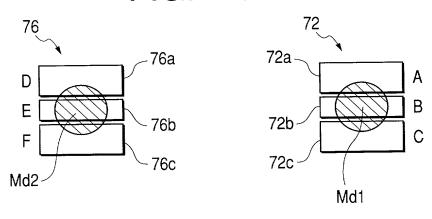
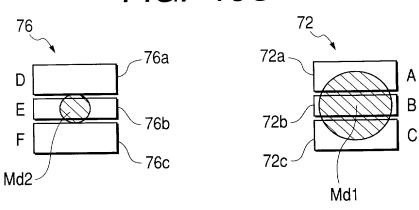


FIG. 10C



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 9 of 14

FIG. 11

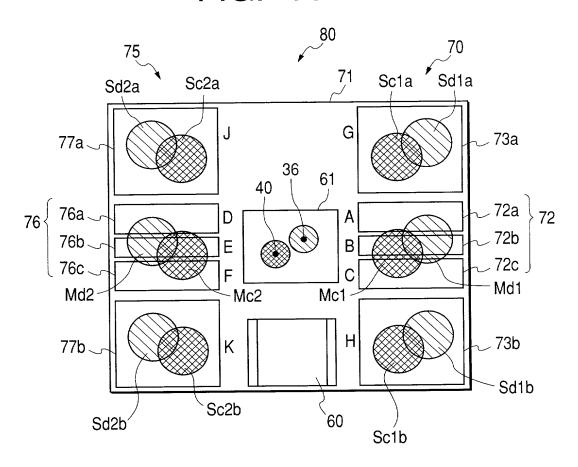
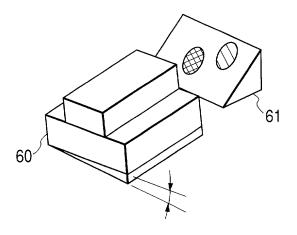
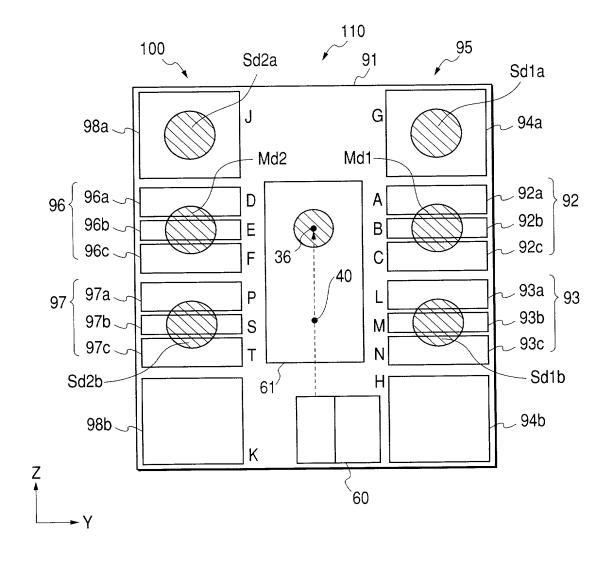


FIG. 12



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 10 of 14

FIG. 13



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 11 of 14

FIG. 14

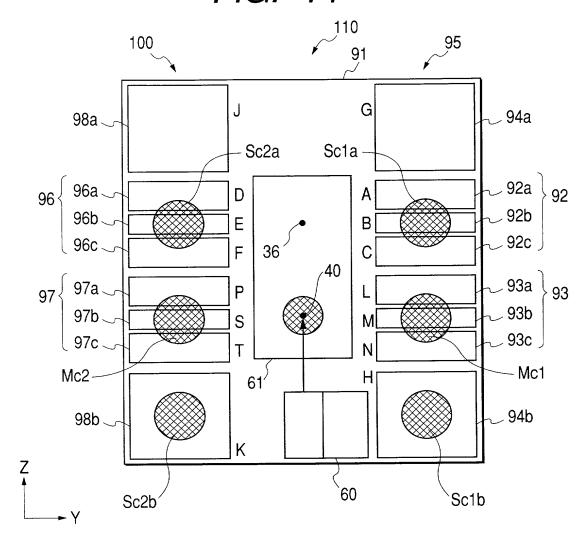
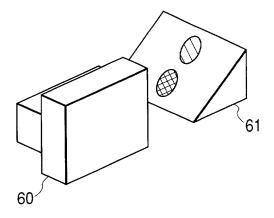
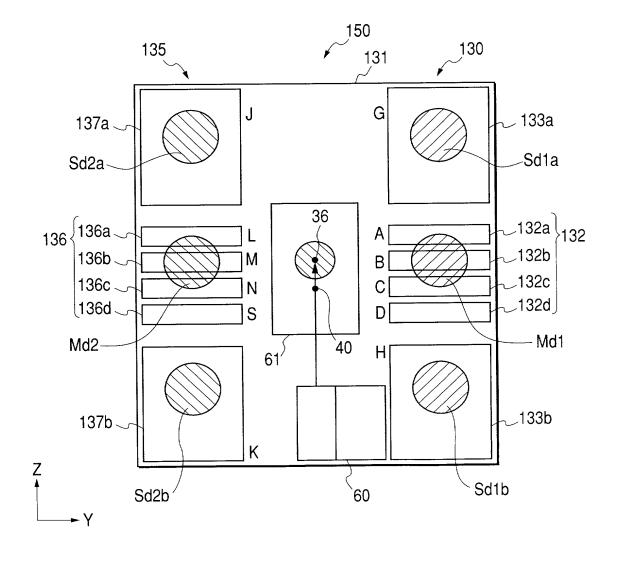


FIG. 15



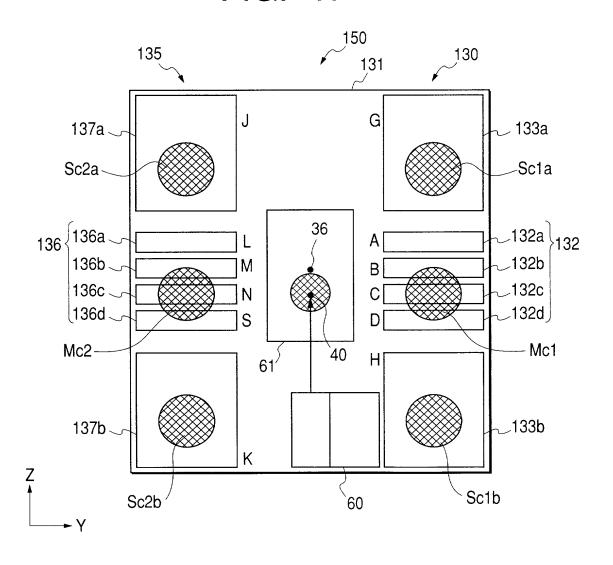
Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 12 of 14

FIG. 16



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 13 of 14

FIG. 17



Q65050 09/885,541 Filed: 6/21/2001 Takehiro MATSUDA OPTICAL PICK-UP APPARATUS Page 14 of 14

FIG. 18

